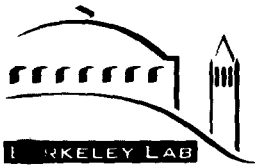




SDMS DocID

2075252



OFFICE OF THE
LABORATORY COUNSEL

October 17, 2005

Harry Steinmetz (3HSS62)
U.S. Environmental Protection Agency
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

Re: Safety Light Corporation Site
Bloomsburg, Pennsylvania

Dear Mr. Steinmetz:

This letter provides the response of the University of California- Lawrence Berkeley National Laboratory (UC-LBNL) to the July 21, 2005 request from the Environmental Protection Agency (EPA) for information under Section 104(e) of the Comprehensive Response, Compensation, and Liability Act of 1980, as amended.

The University of California operates Lawrence Berkeley National Laboratory under a contract with the owner, the United States Department of Energy. UC-LBNL's responses are based on (1) information provided by knowledgeable current and retired UC-LBNL employees and (2) a review of documents determined to be reasonably likely to lead to information enabling responses to EPA's specific requests, which documents have been retained by UC-LBNL or were accessed by UC-LBNL based on its contractual relationship with the Department of Energy. UC-LBNL is providing information relevant to Lawrence Berkeley National Laboratory only and is not responding on behalf of the entire University of California system.

Response to Request No. 1:

To the best of UC-LBNL's knowledge, UC-LBNL has had no business relationship with Safety Light.

A business relationship between UC-LBNL and U.S. Radium is evidenced by the following documents:

1. Two pages from a radioactive materials receipts log book, and a radioactive materials procurement card, showing that on January 13, 1964, the Lab received a source (specifically, a detector cell) containing 10 millicuries of Strontium 90 from U.S. Radium Corporation.

This source is the same source indicated on the document sent to UC-LBNL as an attachment to EPA's Section 104(e) information request. The purchase order number for that source was P.O. 9519306. Copies of the relevant pages from the radioactive sources log book and the relevant procurement card are attached.

2. A radioactive materials procurement card showing that on April 15, 1963 the Laboratory **received** 2 pieces of foil (with no radioisotope description) from U.S. Radium. A copy of **that** procurement card is attached.

A possible business relationship between UC-LBNL and Isolite is evidenced by a data sheet **for** tritium exit signs shipped to SRB Technologies in Canada for re-use, which shows that **four** of such exit signs were manufactured by Isolite. A copy of the data sheet is attached.

Response to Request No. 2:

Available evidence indicates that UC-LBNL never transported and/or brokered hazardous **substances** and/or radioactive waste or other wastes that were disposed of or reclaimed by U.S. Radium, Lime Ridge Industries, USR Industries, USR Metals, Metreal, or Isolite to the Site.

Response to Request No. 3:

No response is required.

Response to Request No. 4:

Available evidence indicates that UC-LBNL never generated radioactive wastes or other **wastes** that were disposed of or reclaimed by U.S. Radium, Lime Ridge Industries, USR Industries, USR Metals, Metreal, or Isolite at the Site.

Response to Request No. 5:

No **response** is required.

Response to Request No. 6:

No **response** is required.

Response to Request No. 7:

UC-LBNL has no additional information to provide.

Response to Request No. 8:

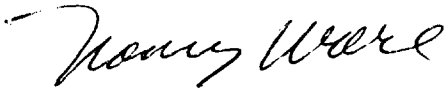
UC-LBNL has no additional information to provide.

Response to Request No. 9:

The Laboratory reviewed numerous documents dating back to the 1950's including but not limited to logs of radioactive materials receipts and shipments as well as radioactive materials procurement cards (approximately index-card-sized). It is possible that certain contractual procurement documents were not available for review because they had been destroyed in accordance with the Laboratory's records retention and disposal policy, which is to send procurement documents older than six years-three months old to the Federal Records Center for destruction. Such records would have been destroyed at the Federal Records Center.

I can be reached at 510-486-7096 should you have any questions concerning the Laboratory's response.

Sincerely,

A handwritten signature in cursive script, appearing to read "Nancy Ware".

Nancy Ware
Environmental Counsel
Lawrence Berkeley National Laboratory

Health Chemistry
SPECIAL PROBLEMS
Room 207, Building 4

SOURCE L05.

1-7-64	2423			H ₂ ²⁰³	-10' dpr	Jenkins, P.	Jenkins, D.
	24			H ₂ ²⁰³	-10' dpr		
	25			H ₂ ²⁰³	-10' dpr		
	26			H ₂ ²⁰³	-10' dpr		
	27			H ₂ ²⁰³	-10' dpr		
1-7-64	28			H ₂ ²⁰³	-10' dpr		
1-8-64	2427	119C SEE HC 4634 -5)		VOID		Watt, Phyllis	Watt, Phyllis
1-8-64	2430	119C SEE HC 4633 Y RAD-6)		VOID		Watt, Phyllis	Watt, Phyllis
1-13-64	2431	4666-01	1.95 pc			Frank, R.	Alloway
1-13-64	2432	4666-01	1.6 pc			Frank, R.	Alloway
1-17-64	2433	5251-54	2.1 pc			Frank, R.	
1-17-64	2434	5251-54	2.5 pc			Frank, R.	
	2435		10 mc			Frank, R.	
1-20-64	2436	4610-04	12 pc			Frank, R.	
1-20-64	2437	4004-01	5.6 mc			Frank, R.	
1- -64	2438	5138-36	3.6 mc			Frank, R.	
1- -64	2439	5138-36	3.1 mc			Frank, R.	
1-2-64	2440	4635-01	2.3 mc			Frank, R.	
1-2-64	2441	4650-01	5.5 pc			Frank, R.	
1-2-64	2442	4650-01	5.5 pc			Frank, R.	
2-19-64	2443	4650-01	5.5 pc			Frank, R.	
2-27-64	2444	3094-01	170 mc			Frank, R.	
2-27-64	2445	3094-01	500 mc			Frank, R.	
2-26-64	2446	4633-01	22 mc total			Frank, R.	
3-5-64	2447	3094-01	270 mc			Frank, R.	
	2448	352-01				Frank, R.	
	2449					Frank, R.	
3-12-64	2450					Frank, R.	
	2451					Frank, R.	
	2452					Frank, R.	
3-12-64	2453	4416-01	0.8 pc			Frank, R.	
3-13-64	2454	4416-01	16 pc			Frank, R.	
3-16-64	2455	4416-01	2 pc			Frank, R.	
3-20-64	2456	3651-02	15.0 pc			Frank, R.	
	2457		15.0 pc			Frank, R.	
3-20-64	2458		15.2 pc			Frank, R.	
	2459		14.7 pc			Frank, R.	
3-20-64	2460		14.6 pc			Frank, R.	
	2461		14.2 pc			Frank, R.	
3-20-64	2462		14.9 pc			Frank, R.	
	2463		14.5 pc			Frank, R.	
4-6-64	2464	3791-23	540 pc			Frank, R.	
4-13-64	2465	5151-34	0.53 pc			Frank, R.	
4-13-64	2466	5151-34	0.51 pc			Frank, R.	
4-13-64	2467	5151-34	0.52 pc			Frank, R.	
4-13-64	2468	5151-34	0.5 pc			Frank, R.	
4-13-64	2469	5151-34	0.4 pc			Frank, R.	

lucite cup (sola)

pin at shut with small cutff vial cemented

~ 1 ~~VOID~~ ^{VOID} s.s. cylinder: Note: little lag inside said
Pin-BB-8-B-7; the Be was in error

1 1/2" OD - 1" ID Al ring; Al. Mylar - zepn

1" s.s. disk - zepn cover.

Aluminum cell PO 9519306 ITEM 43 ; SO BL060712
1 1/2" OD - 1" ID 35ml Ni fil - zepn cover

1" ft disc

1" ft disc 1/2" acton qua

1/2" x 3/4" brass by plate cross 2 ft or each side

0.010 Hg wire

2 - 1" s.s. discs in sealant

1" ft disc

1" ft disc

1" ft disc

data for unit's BY stds pg 97 #4

see 102490 -

1/2" dia ft with handle

1/2" ring 1/2" mylar film - zepn cover - } encapsulated between mylar film + styrene sheet ~ 5/8" dia.

see 102493

5/8" D x 11" steel stud 1" long activity in drilled hole
in one mylar cover

Pb bucket, 1" ft disc sunk in plastic.

#31

#32

#33

#34

1 1/2" D x 3/4" Al disk

U.S. Radium Corp

To D B O

9519306

Date Recd

Amt Recd

Balance

Date F.S.

1-13-64

10mc

0

FROM: 105 West 11th St TO: 105 West 11th St P.O. # 105
MATERIAL: 105 West 11th St AMOUNT ORDERED: 105 DATE ORDERED: 105

Date rec'd	Amount rec'd	Balance	Date P. S.	Remarks
4-13-63	2.00	←	4-13-63 4-13-63	

RL - 1555

EH&S Shipment #5123, 12/01/2004

(33 ea.) H-3 Exit Signs for Disposal (4 Packages.)

Shane MacDougall RSO (613) 732-0055 tel

SRB Technologies

320-140 Boundary Road

Pembroke, Ontario

Canada K8A 6W5

RGA# 991676

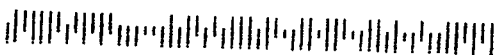
	Manufacturer	LBNL HC #	Nuclide	Date Made	Current Activity (Ci)	Current Activity (TBq)	Manufacturer Serial #
Box 1	Saunders-Roe	5023	H-3	Aug-86	6.8	0.25	31766
	Saunders-Roe	5025	H-3	May-86	6.7	0.25	31768
	Saunders-Roe	5026	H-3	May-86	6.7	0.25	31764
	SRB	5031	H-3	Oct-93	10.1	0.37	168667
	Isolite	5066	H-3	Sep-92	3.8	0.14	A29415
	Isolite	5080	H-3	Sep-92	3.8	0.14	A29416
	Total				37.9	1.40	

Box 2	Saunders-Roe	5027	H-3	Aug-86	6.8	0.25	31765
	SRB	5032	H-3	Apr-91	8.7	0.32	525734
	Evenlite Inc.	5060	H-3	Feb-96	3.8	0.14	0461F
	Evenlite Inc.	5061	H-3	Feb-96	3.8	0.14	0479F
	Evenlite Inc.	5062	H-3	Feb-96	3.8	0.14	0474F
	Evenlite Inc.	5063	H-3	Feb-96	3.8	0.14	0465F
	Evenlite Inc.	5064	H-3	Feb-96	3.8	0.14	0460F
	Isolite	5079	H-3	Sep-92	3.8	0.14	A29420
	Total				38.3	1.42	

Box 3	Saunders-Roe	5024	H-3	Aug-86	6.8	0.25	31767
	Evenlite Inc.	5051	H-3	Feb-96	3.8	0.14	0475F
	Evenlite Inc.	5052	H-3	Feb-96	3.8	0.14	0480F
	Evenlite Inc.	5053	H-3	Feb-96	3.8	0.14	0476G
	Evenlite Inc.	5054	H-3	Feb-96	3.8	0.14	2252G
	Evenlite Inc.	5055	H-3	Feb-96	3.8	0.14	0464F
	Evenlite Inc.	5056	H-3	Feb-96	3.8	0.14	0481F
	Evenlite Inc.	5057	H-3	Feb-96	3.8	0.14	0462F
	Evenlite Inc.	5058	H-3	Feb-96	3.8	0.14	0463F
	Evenlite Inc.	5059	H-3	Feb-96	3.8	0.14	0477F
	Total				41.0	1.52	

Box 4	Isolite	5028	H-3	Sep-92	3.5	0.13	A29419
	SRB	5030	H-3	Oct-93	10.1	0.37	168669
	Evenlite Inc.	5045	H-3	Feb-96	3.8	0.14	0478F
	Evenlite Inc.	5046	H-3	Feb-96	3.8	0.14	0468F
	Evenlite Inc.	5047	H-3	Feb-96	3.8	0.14	0483F
	Evenlite Inc.	5048	H-3	Feb-96	3.8	0.14	0482F
	Evenlite Inc.	5049	H-3	Feb-96	3.8	0.14	0470F
	Evenlite Inc.	5050	H-3	Feb-96	3.8	0.14	0469F
	Evenlite Inc.	5065	H-3	Feb-96	3.8	0.14	0466F
	Total				40.2	1.49	

Shipment Total	157.4	5.83
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02 14

\$ 00 820



N. Ware

ERNEST ORLANDO LAWRENCE
BERKELEY NATIONAL LABORATORY

ONE CYCLOTRON ROAD
BERKELEY, CALIFORNIA 94720 USA

50A 4112

FIRST CLASS MAIL

Harry Steinmetz (3HSS62)
US Environmental Protection Agency
1650 Arch Street
Philadelphia PA 19103-2029

7600-64877

17189 007844